

QTXCF
8.4.4.2 VI

8.268

Gas Used & Sold

August 1936

Debit		Aberdeen	Centralia	Inverness	Everett	Total
703.1 - 705	2560 gal.	54.20				54.20
R-20	1450 gal. 476 "	29.00			9.52	38.52
						92.72
9992	151 gal 110 ✓ 83.116 "	25.25	7.70	3324.64		
	676 "				26.04	3383.63
				WNG 36117		
Credit 9935		108.45	7.70	3324.64	25.56	3476.35

USEPA SF



1403071

PSE-QT056063

WASHINGTON GAS AND ELECTRIC COMPANY

MONTHLY REPORT TO GENERAL OFFICE

Station Aberdeen, Wash Tar Report for Month of August 1936. 193

TAR MADE DURING MONTH

4-32-1M-LDN 8789				ACCOUNTED FOR		
	GALLONS	Price Per Gal.	AMOUNT		Gallons	AMOUNT
WATER Gas Tar made during month	2690	.02	53.80	✓		
COAL Gas Tar made during month				Water Gas Tar Sold	151	25.25
TOTAL Tar made during month				Oil-Creosote	1450	29.00
				Coal Gas Tar Sold		
WATER Gas Tar on hand first of month	113297	.021198	2401.74	TOTAL TAR SOLD	1601	54.25
COAL Gas Tar on hand first of month				USED		
TOTAL Tar on hand first of month				Water Gas Tar	205	2560 54.20
TOTAL Water Gas Tar	115987	.02117	2455.54	Coal Gas Tar		
TOTAL COAL Gas Tar				TOTAL TAR USED		
TOTAL Tar				TOTAL USED SOLD AND USED		
WATER Gas Tar used, sold and Unaccounted for	4161		108.45	Water Gas Tar		
COAL Gas Tar used, sold and Unaccounted for				Coal Gas Tar		
TOTAL Tar used, sold and Unaccounted for				TOTAL TAR	4161	108.45
WATER Gas Tar on hand end of month per inventory	111826	.020988	2347.09			
COAL Gas Tar on hand end of month per inventory						
TOTAL Tar on hand end of month per inventory						

IMPORTANT! Fill out the above report completely.

Gallons on hand at end of month should be determined by actual measurement.

This report is reconciled monthly with the control account of gas tar stores in the general office. Extreme care should be exercised in filling it out completely and correctly.

DEBIT

Account 205—Boiler Fuel 2560 Gallons \$ 54.20
 Account 206—Generator Fuel Gallons \$
 Account 222—Power for Pumping Gallons \$
 Account 9992—Non-Operating Revenue and Expenses 151 Gallons \$ 25.25
 Account 9992—Non-Operating Revenue and Expenses Barrels \$
 " B-20 Light Oil Creosote. 1450 29.00

CREDIT

Account 9935—Gas Tar Stores 4161 \$ 108.45
 Account 9939—Gas Tar Barrel Stores \$

Approved

McHann

Manager.

Sold 1450 gals. Light Oil Creosote for \$145.00

WNG 36118

PSE-QT056064

INTRA-COMPANY COMMUNICATION

DATE: September 9, 1936

TO: Mr. F. R. Morris
CITY: Tacoma, Washington.
SUBJECT: Tar Inventory

FROM: M. C. Hancock

CITY: Aberdeen, Wn.

Dear Mr. Morris:

We took an inventory of our tar on September 1 with the following results.

Our relief holder tank, which is 63' in diameter, had 11' of tar. We estimate that this has 60% water, which we figure would give us 102,960 gallon of dry tar.

Our #1 Tar Well scales 65 gallon per inch, has 6' of tar, which we estimate at 70% water, which would give us 1,404 gallon of dry tar.

Our #4 Well scales 83 gallon per inch, and it has 10' of tar, which we estimate around 15% water, or 8,364 gallon of dry tar.

This makes a total of 112,728 gallon of dry tar on hand.

Yours truly,

M. C. Hancock
Manager

MCH:EP

WNG 36119

WASHINGTON GAS AND ELECTRIC COMPANY

MONTHLY REPORT TO GENERAL OFFICE

Station Centralia Tar Report for Month of Aug 1936

TAR MADE DURING MONTH

4-52-1M-LDN 8769

	GALLONS	Price Per Gal.	AMOUNT	ACCOUNTED FOR	
WATER Gas Tar made during month					
COAL Gas Tar made during month				Water Gas Tar Sold	
TOTAL Tar made during month	1000	07	70.00	Coal Gas Tar Sold	
WATER Gas Tar on hand first of month				TOTAL TAR SOLD	
COAL Gas Tar on hand first of month				USED	
TOTAL Tar on hand first of month	13275	"	996.67	Water Gas Tar	
TOTAL Water Gas Tar				Coal Gas Tar	
TOTAL COAL Gas Tar				TOTAL TAR USED	
TOTAL Tar	14275	"	1066.67	TOTAL USED SOLD AND USED	
WATER Gas Tar used, sold and Unaccounted for				Water Gas Tar	
COAL Gas Tar used, sold and Unaccounted for				Coal Gas Tar	
TOTAL Tar used, sold and Unaccounted for	110	"	7.70	TOTAL TAR	110 7.70
WATER Gas Tar on hand end of month per inventory					
COAL Gas Tar on hand end of month per inventory					
TOTAL Tar on hand end of month per inventory	14165	.0748	1058.97		

IMPORTANT! Fill out the above report completely.

Gallons on hand at end of month should be determined by actual measurement.

This report is reconciled monthly with the control account of gas tar stores in the general office. Extreme care should be exercised in filling it out completely and correctly.

DEBIT

Account 205—Boiler Fuel Gallons \$.....
 Account 206—Generator Fuel Gallons \$.....
 Account 222—Power for Pumping Gallons \$.....
 Account 9992—Non-Operating Revenue and Expenses 110 Gallons \$ 7.70
 Account 9992—Non-Operating Revenue and Expenses Barrels \$.....

CREDIT

Account 9935—Gas Tar Stores 110 \$ 7.70
 Account 9939—Gas Tar Barrel Stores.....

Approved J. J. [Signature] Manager.

WNG 36120

PSE-QT056066

INTRA-COMPANY COMMUNICATION

DATE: August 26, 1936

TO: Frank Merris
CITY: Tacoma
SUBJECT: Tar Storage

FROM: Jack Youk
CITY: Centralia

Dear Frank,

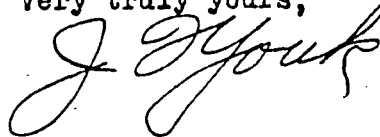
I am sending you detailed drawings of our tar storage facilities which are fairly accurate.

Our inventory of tar on July 31 showed 13275 gallons in stock. We have manufactured approximately 40 gallons per day this month which would be 1000 gallons, or a total of 14275 gallons to account for.

We have in storage as follows:

Saturated water tank	1520 gallons
Old separator	1594
Tar tank, Main storage	9878
In bbls. 5-54 Gal. per bbl.	270
Sold-2-54 gal bbls.	108
Used for tarring new separator	200
Total accounted for	<u>13570</u>
Unaccounted	705

Very truly yours,



WNG 36121

Iron tank of cylindrical shape.

11'0"

14'6"

ground level

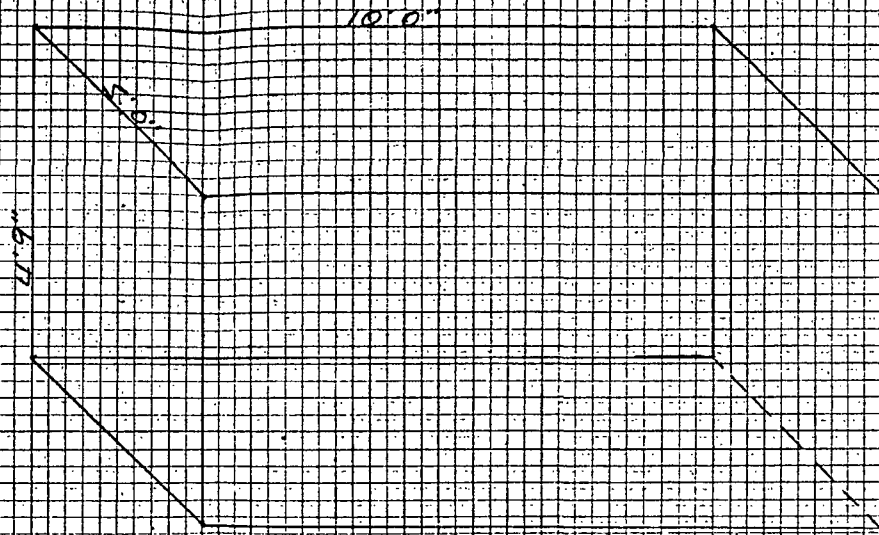
$$\text{Radius}^2 \times 3.1416 \times 14 = 1330.46 \text{ cu. ft.}$$

$$1330.46 \times 7.5 = 9878.2 \text{ gals.}$$

tank is practically full of tar.

WNG 36122

Old tar separator



Amount of tar in tank 51"

Capacity - 4'9" x 5'0" x 10'0"

$$31.25 \times 51 = 1593.75$$

$$4.75 \times 5 \times 10 = 237.5 \text{ cu. ft.}$$

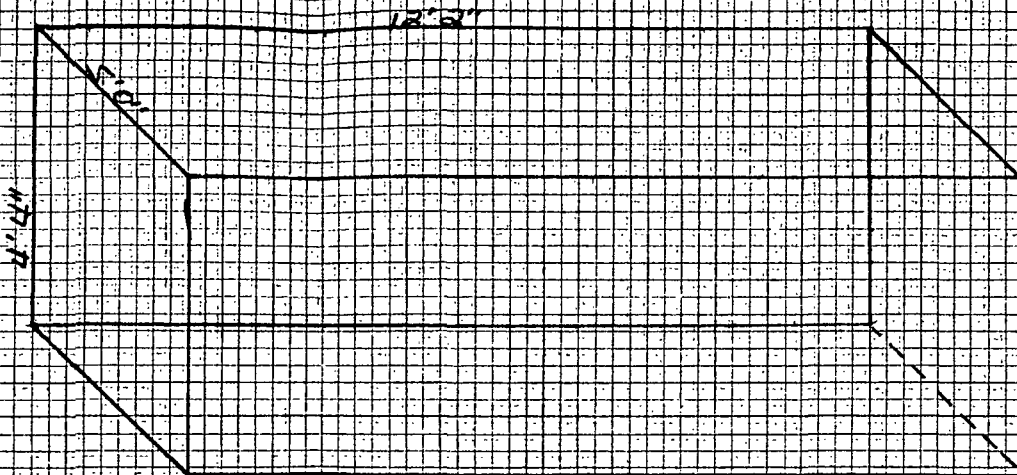
$$237.5 \times 7.5 = 1781.25 \text{ gallons}$$

$$1781.25 \div 57 = 31.25 \text{ gallons per inch in height}$$

WNG 36123

gallons
~~31.25~~
~~8.75~~

Concrete Tank for Raturated Water.



Capacity = $4'4'' \times 5'0'' \times 12'3''$

Amount of water in tank 4.0"

$$4.333 \times 5 \times 12.167 = 263.598 \text{ cu. ft.}$$

4.0" x 38 = 1520 gal in stock.

$$263.598 \times 7.5 = 1977 \text{ gallons}$$

$$1977 \div 52' = 38 \text{ gal per 1' in height}$$

WNG 36124

JR Smith
8-15-36

WASHINGTON GAS AND ELECTRIC COMPANY

MONTHLY REPORT TO GENERAL OFFICE

Station Tacoma Tar Report for Month of August 1935

TAR MADE DURING MONTH

4-32-1M-LDN 8769		Aug. 15 ⁸ .25 Sept. 23 89		GALLONS	Price Per Gal.	AMOUNT	ACCOUNTED FOR			
							Gallons		AMOUNT	
WATER Gas Tar made during month	Miscel.					182 14				
COAL Gas Tar made during month						232 22				
TOTAL Tar made during month				21 408	02	422 16				
WATER Gas Tar on hand first of month										
COAL Gas Tar on hand first of month										
TOTAL Tar on hand first of month				250 336		3 939 12				
TOTAL Water Gas Tar										
TOTAL COAL Gas Tar										
TOTAL Tar				271 744		4 081 64				
WATER Gas Tar used, sold and Unaccounted for										
COAL Gas Tar used, sold and Unaccounted for										
TOTAL Tar used, sold and Unaccounted for				83 116		3 324 64				
WATER Gas Tar on hand end of month per inventory										
COAL Gas Tar on hand end of month per inventory										
TOTAL Tar on hand end of month per inventory				188 628	.0073	1 357 00				

IMPORTANT! Fill out the above report completely.

Gallons on hand at end of month should be determined by actual measurement.

This report is reconciled monthly with the control account of gas tar stores in the general office. Extreme care should be exercised in filling it out completely and correctly.

DEBIT

Account 205—Boiler Fuel Gallons \$.....
 Account 206—Generator Fuel Gallons \$.....
 Account 222—Power for Pumping Gallons \$.....
 Account 9992—Non-Operating Revenue and Expenses 83 116 Gallons \$ 3 324.64
 Account 9992—Non-Operating Revenue and Expenses Barrels \$.....

CREDIT

Account 9935—Gas Tar Stores \$ 3 324.64
 Account 9939—Gas Tar Barrel Stores \$.....

Approved.....
 Manager.

WNG 36125

INTRA-COMPANY COMMUNICATION

DATE: August 31, 1936

TO: F. R. Merris

FROM: W. H. Wattenberger

CITY: Tacoma

CITY: Tacoma

SUBJECT: Tar Storage

Dear Mr. Merris:

The matter of determining the amount of tar in storage is a very difficult one, especially the tar in the storage holder at Plant A. We have sounded this tank several times, and at several places around the holder. At approximately 18 feet from the bottom of the tank there seems to be a strata of very heavy emulsion $11\frac{1}{2}$ feet thick. This layer of emulsion is so heavy, or I might say solid, that a brick requires several minutes to sink through it. Under this layer there seems to be $6\frac{1}{2}$ feet of tar. I took a sample of this tar at 3 feet from the bottom, which tested 31% water. This sample was obtained by sinking a bottle to the bottom of the tank then raising it 3 feet and pulling the cork by means of a string fastened to it. This tar seems to be oily. Figuring $6\frac{1}{2}$ feet of tar, this would be 339,420 gallons. 31% of this amount would leave us a net amount of 234,200 gallons. However, I consider it impossible to gain an accurate figure on the amount of good tar in storage at Plant A.

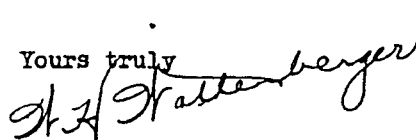
At Plant B the relief holder has about 8 to 10 inches of emulsion. The water content of this is not known. All the tanks are empty of good tar except the tanks known as the tar farm, which contain the make each day. This we are centrifuging by running the 2 machines one shift each week day. We just shipped 8,000 gallons accumulated this way since our last barge shipment.

There are two tanks in the farm containing approximately 20,000 gallons each of emulsion containing lamp black held in suspension. We have tried to centrifuge this but this cannot be done effectively. In my opinion, this tar cannot be made ready for shipment or sale by any method known to us at this time.

I consider we have no saleable tar at Plant B, except our daily make. What we have in the relief holder cannot be taken out by any method we have tried so far due to the thin layer over such a large surface at bottom of tank.

Would be glad to explain in more detail personally if there are any questions.

Yours truly



WEW:B

WNG 36126

PSE-QT056072

WASHINGTON GAS AND ELECTRIC COMPANY

MONTHLY REPORT TO GENERAL OFFICE

Station Everett Tar Report for Month of August 1936

TAR MADE DURING MONTH

4-32-1M-LDN 8769		GALLONS	Price Per Gal.	AMOUNT	ACCOUNTED FOR		
						Gallons	AMOUNT
WATER Gas Tar made during month		2350	.02	47 00	✓		
COAL Gas Tar made during month	Coal			30 90	✓	Water Gas Tar Sold .04	676 27 04
TOTAL Tar made during month		2350		77 90		Coal Gas Tar Sold .02	476 9 52
WATER Gas Tar on hand first of month		103963	.0256	2563 43		TOTAL TAR SOLD	1152 36 56
COAL Gas Tar on hand first of month						USED	
TOTAL Tar on hand first of month		103963	.0256	2563 43		Water Gas Tar	
TOTAL Water Gas Tar		106313	.0248	2641 33		Coal Gas Tar	
TOTAL COAL Gas Tar						TOTAL TAR USED	
TOTAL Tar		106313	.0248	2641 33		TOTAL USED SOLD AND USED	
WATER Gas Tar used, sold and Unaccounted for		1152	.0317	36 56		Water Gas Tar	1152 36 56
COAL Gas Tar used, sold and Unaccounted for						Coal Gas Tar	
TOTAL Tar used, sold and Unaccounted for		1152	.0317	36 56		TOTAL TAR	1152 36 56
WATER Gas Tar on hand end of month per inventory		105161	.0247	2604 77			
COAL Gas Tar on hand end of month per inventory							
TOTAL Tar on hand end of month per inventory		105161	.0247	2604 77			

Rep. Bellows
 IMPORTANT! Fill out the above report completely. 40.538

Gallons on hand at end of month should be determined by actual measurement.

This report is reconciled monthly with the control account of gas tar stores in the general office. Extreme care should be exercised in filling it out completely and correctly.

DEBIT

Account 205—Boiler Fuel Gallons \$.....
 Account 206—Generator Fuel Gallons \$.....
 Account 222—Power for Pumping Gallons \$.....
 Account 9992—Non-Operating Revenue and Expenses 675 gal. Gallons \$ 27.04
 Account 9992—Light Oil to Nobles 450 " Gallons \$ 9.00
 Account 9992—Non-Operating Revenue and Expenses 26 " Barrels \$.52
 Account 9992—Light Oil to others

CREDIT

Account 9935—Gas Tar Stores 1152 \$ 36.56
 Account 9939—Gas Tar Barrel Stores \$ 36.56

Approved.....
 Manager.

Light Oil on hand first of month	600 gallons
" " produced	176 "
Total	776 "
Light Oil sold	476 "
Light Oil on hand end of month	300 "

WNG 36127

PSE-QT056073

WASHINGTON GAS AND ELECTRIC COMPANY
EVERETT DIVISION

	<u>Aug. 26th</u>			<u>Net gallons</u>
Relief Holder 6'-1"	81974 gals.	70% water	=	24592
Storage Holder 1'-1"	34912 "	50% "	=	17456
#1 Well 11'-3"	17442 "	10% "	=	15698
#2 Well 6'-10"	10594 "	50% "	=	5297
#3 Well 2'-0"	3100 "	70% "	=	930
Light oil on hand				300
Tar in barrels				300
				<hr/> 64573

WNG 36128

PSE-QT056074

WASHINGTON GAS AND ELECTRIC COMPANY
EVERETT DIVISION

Tar on hand August 1st	103963	gallons
Tar made to and including August 25th	<u>1720</u>	"
Total to account for	105683	"
Sold: Light Oil 450		
Tar <u>669</u>	<u>1119</u>	"
	104564	"
Tar in Relief Holder, Storage Holder, Wells and Barrels	<u>64573</u>	"
	39991	"
Tar and Oil in Relief Holder Water	<u>10113</u>	"
Balance	29878	"

Tar in Baffle Boxes approximately 6000 to 8000 gallons.
Tar in swamp varies in depth from 6" to more than two feet, and area
is unknown.

WNG 36129

FORM 24

ENTRY NO. 26MONTH OF August 1936

		DR.	CR.
9991	Gas Expenses	✓ 92 72	✓
9992	Mm. Op. Res. & Exp	✓ 3383 63	✓
9935	Gas Stores		✓ 3476 35
To record Gas issued from stores during August 1936 as per detail attached.			
			WNG 36130
		3476 35	

ENTERED

APPROVED

ENTRY NO.

26

ASS'T. TREASURER

JOURNAL VOUCHER

No. 8-26f

MONTH OF August 1936

WASHINGTON GAS AND ELECTRIC COMPANY

DATE RECEIVED

AMOUNT

WNG 36131

MONTH OF

DATE

PSE-QT056077